

BT01 Rec'd PCT/EP 02 MAR 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A flush toilet that uses a prescribed amount of cleansing water stored in a cleansing water tank to cleanse the toilet and discharge waste, said flush toilet comprises:

a bowl having a bowl-shaped waste receiving surface, a rim constituting an upper edge portion whose inner surface overhangs inward and a shelf formed between the rim and the waste receiving surface;

a drainage channel whose inlet is connected to the bottom of the bowl for discharging waste ~~by a siphoning action~~;

a first water spouting section for spouting cleansing water onto the shelf of the bowl to form a vortex;

a second water spouting section for spouting cleansing water onto shelf of the bowl in the same direction as the swirling direction of the vortex;

a first water channel for supplying cleansing water from the cleansing water tank to the first water spouting section; and

a second water channel for supplying cleansing water from the cleansing water tank to the second water spouting section.

2. (Original) A flush toilet according to claim 1, wherein the second water channel makes a U-turn to communicate with the second water spouting section.

3. (Currently Amended) A flush toilet according to claim ~~1 or 2~~, wherein said flush toilet further comprises a jet hole section arranged to spout water toward the inlet of the drainage channel.

4. (Currently Amended) A flush toilet according to ~~any of claims 1 to 3~~ claim 1, wherein the first water spouting section is installed on one side of the bowl relative

to its fore-aft center axis at a point near a point where the radius of curvature of the bowl changes from a smaller value to a larger value and the second water spouting section is installed on the other side of the bowl at a point near a point where the radius of curvature of the bowl changes from a larger value to a smaller value.

5. (Currently Amended) A flush toilet according to ~~any of claims 1 to 4~~ claim 1, wherein the amount of water spouted at the rim from the first water spouting section is greater than the amount of water spouted at the rim from second water spouting section.

6. (Original) A flush toilet according to claim 5, wherein the amount of water spouted at the rim from the first water spouting section is 0.6 to 2.3 liters and the amount of amount of water spouted at the rim from the second water spouting section is 0.4 to 1.2 liters.

7. (Currently Amended) A flush toilet according ~~any of claims 1 to 6~~ claim 1, wherein the total amount of water spouted at the rim from the first and second water spouting sections is at least 1.0 liter.

8. (Original) A flush toilet according to claim 3, wherein the amount of water spouted from the jet hole section is greater than the total amount of water spouted at the rim from the first water spouting section and second water spouting section.

9. (Original) A flush toilet according to claim 8, wherein when the capacity of the cleansing water tank is 6 liters, the total amount of water spouted at the rim from the first water spouting section and second water spouting section is 1 to 3 liters and the amount of water spouted from the jet hole section is 5 to 3 liters.

10. (Currently Amended) A flush toilet according to ~~any of claims 1 to 9~~ claim 1, wherein the shelf of the bowl is formed to vary in width in a manner that causes the main stream of the cleansing water spouted the first water spouting section to flow toward the inlet of the drainage channel.

11. (Original) A flush toilet according to claim 10, wherein the width of the shelf of the bowl is formed wider at regions on opposite lateral sides of the bowl relative to its fore-aft center axis and formed narrower at the front end region of the bowl.

12. (Currently Amended) A flush toilet according to ~~any of claims 1 to 10~~ claim 1, wherein the shelf of the bowl is sloped downward, the angle of inclination being downward within the range of 0 to 15 degrees.

13. (Currently Amended) A flush toilet that uses cleansing water supplied from a service water pipe to cleanse the toilet and discharge waste, said flush toilet comprises:

a bowl having a bowl-shaped waste receiving surface, a rim constituting an upper edge portion whose inner surface overhangs inward and a shelf formed between the rim and the waste receiving surface;

a drainage channel whose inlet is connected to the bottom of the bowl for discharging waste ~~by a siphoning action~~;

a first water spouting section for spouting cleansing water onto the shelf of the bowl to form a vortex;

a second water spouting section for spouting cleansing water onto shelf of the bowl in the same direction as the swirling direction of the vortex;

a first water channel for supplying cleansing water from the service water pipe to the first water spouting section; and

a second water channel for supplying cleansing water from the service water pipe to the second water spouting section.

14. (Original) A flush toilet according to claim 13, wherein said flush toilet further comprises means for making the flow rate of cleansing water supplied from the service water pipe to the first water channel and second water channel constant.

15. (Original) A flush toilet according to claim 14, wherein said flush toilet further comprises a jet hole section arranged to spout water toward the inlet of the drainage channel and means for controlling the spouting of water from the jet hole section to occur later

than or simultaneously with the spouting of water from the first water spouting section and second water spouting section.

16. (Currently Amended) A flush toilet that uses cleansing water stored in a cleansing water tank and cleansing water supplied from a service water pipe to cleanse the toilet and discharge waste, said flush toilet comprises:

- a bowl having a bowl-shaped waste receiving surface, a rim constituting an upper edge portion whose inner surface overhangs inward and a shelf formed between the rim and the waste receiving surface;

- a drainage channel whose inlet is connected to the bottom of the bowl for discharging waste ~~by a siphoning action~~;

- a jet hole section arranged to spout cleansing water supplied from the cleansing water tank toward the inlet of the drainage channel;

- a first water spouting section for spouting cleansing water supplied from the service water pipe onto the shelf of the bowl to form a vortex;

- a second water spouting section for spouting cleansing water supplied from the service water pipe onto shelf of the bowl in the same direction as the swirling direction of the vortex;

- a first water channel for supplying cleansing water from the service water pipe to the first water spouting section; and

- a second water channel for supplying cleansing water from the service water pipe to the second water spouting section.

17. (Original) A flush toilet according to claim 16, wherein said flush toilet further comprises means for controlling the spouting of water from the jet hole section to occur later than or simultaneously with the spouting of water from the first water spouting section and second water spouting section.